

Memoranda

1891  
Jan 1  
Feb 1  
Mar 1  
Apr 1  
May 1  
Jun 1  
Jul 1  
Aug 1  
Sep 1  
Oct 1  
Nov 1  
Dec 1



Anderson

1964

✓ADP

9/11/66

TJV

CDP

HOWLAND

ISLAND

---

Birnie

---

Christmas

Checked against interisland

file 10 12/1/66

Done 9/20/68

SIC 6



bandstings  
issued - listed  
here

Island

date

Species

bandstings →

12/12



10/9/64

757-63101  
200

Hobbsland 12

10/9/64

Blue-faced Booby

757-

63101 - nestling

102 - "

Nest - ♂ 2 eggs - banded squirrel

Nest - ♀ 2 eggs

Nest - ♀ 2 eggs

103 - nestling

Nest - ♂ 1 egg 1 chick - Hobbs  
up squirrel of FF

Nest - ♂ 2 eggs

Nest - ♀ 1 egg 1 chick - banded FF

Nest - ♂, chick

104 - nestling

105 - "

106 - imm

107 - imm

108 - nestling



157-63109

280

Holland

16/9/64

Blue-fac

Net 5 1 chip

109 - immatures

110 - "

111 - "

112 - "

113 - "

114 - "

115 - "

116 - "

117 - 1st instar

118 - 2nd instar

119 - "

120 - "

Net 5 2 eggs

121 - 1st instar

Net 4 - 1 egg

122 - 1st instar



707-63 (22)

Oct 9  
Blue-faced Booby

Nest - 8 2 eggs

Nest - 2 2 eggs

124 - nothing

Nest - 5 1 egg

125 - 1 on ground

Nest - 3 1 egg

Nest - 7 1 egg

126 - 1 egg

127 - 1 egg

128 - 1 egg

129 - 1 egg

130 - 1 egg

Nest - 2 2 eggs

131 - nothing

Nest - 8 2 eggs

Return - 1 egg - 552 - 11701



Howland

10/9/64

Blue-face

Nest - ♀ 1 egg



Red-foot		
1 egg	2	6
chick	2	11
Nest.	1	3
		15

Great frigate

egg	2		
N	28	53	

Howland

10/9/21

Red-foot

Nests w/ egg 11

Nests w/ chick 11

Nests w/ nestling 1

147-59055 - downy chick

003 - downy chick

002 - gray immature

004 -

000 - light brown

Eyes w/ 1st stage blue

Throat - gray

Eye - dk brown

Breast + underparts white

No breast band

Head & chin like above

Tail white

Wing brown



Scapular white, brown tip  
Feet - blood red  
w/ small clutch

59001 - Im.

Imm. gray

Bill - black

Throat pouch - light blue

Eye ring - purplish

Inside of mouth - light blue

Back - brown

Underside - brown white throat

Tail feathers - white-tipped

Feet - flesh-colored

Honolulu

10/9/64

~~Lesser~~ frigate  
Greater

~~Lesser~~

~~IN IN IN~~  
~~IN IN~~ 28



773-22001  
500

Howland

Oct 9 1964

Sooty tern

773-22001 Adult  
500

10/13/64

793-20001  
500



Shaw

12/12/1911

Amesbury

Gidd. 110 100 1 3 5 14 24 2 2 5 1  
14 5 14 19 18 10 4

W. T. 2 8 5 1 11 22 1 (14)

Lat. 36 (65) 14 1 16 2 2 4 6 2 3 3  
4 17 3 10

B. 35 1 2 15 1

N. 9 2 1

C. 11

100



747-59301  
400

Howland

10-10-64

Lesser frigate

747-59301 400 nestlings

10/11/64

747-58801 200 nestlings

10/12/64

747-58801  
400



Howland

10-10-64

Blue-faced Booby

✓ADP

- ✓757-62848 ♂ } w/nestling  
✓737-20798 ♀ }  
✓568-72004 imm  
✓737-20793 ?  
✓737-23507 ♂ on 1 egg  
✓" - 23572 ♀  
✓757-63140 ♂  
✓737-28651 ♀ on 1 egg  
✓568-72007 imm  
568-72014 imm ✓  
✓737-39535 ♂ } ✓  
✓~~757~~-~~63141~~ ♀ w/chick }  
✓757-63142 ♀ w/nestling }  
✓737-39568 ♂ w/nestling }  
✓737-20673 ♀  
✓757-63143 ♂ ✓



✓ADP

Honolulu Is  
12-10-64

✓ADP

Blue-faced Booby

- |            |            |    |
|------------|------------|----|
| ✓737-49780 | ♂          | }  |
| ✓737-23531 | ♀ w/2 eggs |    |
| ✓737-20778 | ♂ w/1 egg  |    |
| ✓737-39553 | ♀ w/1 egg  |    |
| ✓737-28530 | ♂          | NL |
| ✓737-53099 | ♀ w/1 egg  |    |
| ✓568-72038 | imm        |    |
| ✓757-63144 | ♀          | }  |
| ✓757-63145 | ♂          |    |
| ✓568-72043 | imm        |    |
| ✓757-63146 |            |    |
| ✓757-63147 | imm        |    |
| ✓757-63148 | ♀ 2 eggs   |    |
| ✓568-72044 | imm        |    |
| ✓737-39600 | ♀          |    |
| ✓757-63149 | ♀ w/1 egg  |    |
| ✓737-53452 | ♂ w/2 eggs |    |
| ✓737-27433 | ♀          |    |



Howland Is

10-10-64

✓ADP

Blue-faced Booby

✓~~757-63151~~ ♀ w/2 eggs

✓~~757-63152~~ ♀

✓~~757-63153~~ ♂

✓~~757-63154~~ ♂ w/chick

✓~~757-63155~~ ♂

✓~~757-63156~~ ♀

✓737-28878 ♂ w/2 eggs

✓~~757-63157~~ ♂

✓~~757-63158~~ ♀

✓737-49662 ♀

✓~~757-63159~~ sub-ad

✓~~757-63160~~ ♀

✓~~757-63161~~

n/c

✓~~757-63162~~

n/c

✓~~757-63163~~

sub-adult - n/c

✓~~757-63164~~ ♂

✓~~757-63165~~ ♀ w/chick

✓737-20763

n/c



Howland

10-11-64

✓ ADP

Blue-faced Booby

- |                        |                  |        |
|------------------------|------------------|--------|
| ✓ <del>757-63166</del> | ♂                | } 2/1  |
| ✓ <del>757-63167</del> | ♂                |        |
| ✓ <del>757-63168</del> | ♂                |        |
| ✓ <del>757-63169</del> |                  |        |
| ✓ <del>757-63170</del> |                  |        |
| ✓ <del>757-63171</del> | ♀ w/chick        | }      |
| ✓ <del>757-63172</del> | ♀                |        |
| ✓ 568-71492            | imm in sooty lot |        |
| ✓ 568-71482            | imm in sooty col |        |
| ✓ 737-27442            | ♀ w/2 eggs       |        |
| ✓ 737-53346            | ♂                | End of |
| ✓ <del>568-71494</del> | imm              |        |
| ✓ 757-63173            | ♀                | AC<br> |
| ✓ 757-63174            | ♂                |        |
| ✓ 175                  | ♀                |        |
| ✓ 176                  | ♂                |        |
| ✓ 177                  | ♀                |        |
| ✓ 178                  | ♀                |        |
| ✓ 179                  | ♂ ?              |        |



Howland  
10-10-64  
Blue-face

VADP

RC

✓ 737-39609

✓ 558-~~85~~-85021

SA

NL

✓ 757-63180

♂

✓ 737-62821

♀

✓ 757-63181

SA

✓ 737-28951

✓ 757-63182

✓ 737-62784

♀

✓ 737 49801

SA

✓ 787-63059

✓ 757-63183

♀

✓ 757-184

♀

✓ 185

♀

✓ 186

♂

✓ 187

♂

✓ 188

♀

✓ 737-20826

♀

♀



Howland

10-10-64

Blue-faced

✓ ADP

✓ 737-27880 ♀

✓ ~~757-63189~~

✓ ~~190~~

✓ ~~191~~

✓ ~~192~~

✓ ~~193~~ ♂

✓ ~~194~~ ♀

✓ ~~195~~ ♀

✓ ~~196~~ ♀

✓ ~~197~~ ♀

✓ 737-28897 ♀

✓ 737-28872 ♀ 2098

✓ ~~757-63198~~ ♀

✓ 737-53246

✓ 737-28782 ♀

~~757-63220~~

✓ 737-53494 ♀

✓ 737-20806 ♂

RC





Howland

10-11-64

Sooty tern

773-24701

500

N

773-25001

500

A

10-12-64

H

773-26001

500

773-27501

600

773-27801

200



Bernie  
Nov 7  
Blue-faced

Nests	<u>1 egg</u>	<u>2 eggs</u>	<u>ch</u>
	III	I	III

Nests	<u>Brown</u>	<u>2 eggs</u>	<u>1 imm</u>
		I	I



Birnie  
Nov 9

Blue-faced booby VADP

✓ 667-39564 ♂ w/n ✓

✓ -39577 ♂ w/I ✓

✓ 757-62830 ♀ Baker ch

✓ 667-39550 ♀ w/I ✓

757-66701 I

~~702~~ I

✓ 737-22280 ♂

~~703~~ I

~~704~~ voice  
chasing RC

~~705~~ ♀ RC

~~706~~ ad RC

✓ 757-63613 ♀ RC Ender (X)

✓ -62925 ♀ RC Haul

✓ 737-22477 ♀ Ender (X)

~~707~~ ♀

✓ 26246 ♀

~~708~~ ♂ w/n



Burnie

Nov. 9

Com Noddy

773-20922-29

930 1 egg

931-934

935 I

723-68783

936-944

945 } w/ch

946 }

947-988

989 I



Burnie

Nov. 9

Blue-faced

✓ADP

✓737-26201 ♀

✓21114 ♂

~~709 ♀~~

~~710 I~~

✓21111 ♂

~~711 I~~

✓22241 ♀

~~712 I~~

~~713 I~~

~~714 ♀~~

~~715 I~~

✓22248 ♂ 2 egg.

✓21118 ♂

✓21025 ♀

✓21119 ♀

✓26244 ♀

✓23276 ♀

✓26242 ♀

(\*)Ed



Birnie  
Nov 9, 1964  
Brown foot

757-66716 I

717 ~~Blue-green~~  
Sill yellow

721 Blue-green

724 I



Binnie  
Nov 9

Blue-faced

VADP

✓ 667-39534 ♂ } w/h ✓

✓ -39540 ♀ } ✓

✓ 737-23897 ♂ w/h ✓

✓ -22238 ♀ w/I } ✓

✓ -22239 ♂ } ✓

720 I

✓ -21103 ♂ ✓

✓ -21106 ♂ ✓

✓ -21196 ♂ w/I ✓

✓ 568-72185 I ✓

✓ 72195 I ✓

✓ 731-22680 ad ✓

✓ 22208 ♀ ✓

✓ -21470 ♀ ✓ Ende ⊗

722 I

723 ♀

✓ -23538 ♀ ✓ Howl oh



Burnie

Nov. 9

Blue-faced

✓ADP

737-26468 ♀ ✓

-26463 ♂ ✓

-21282 ♀ ✓

Ends ⊗ sh

568-72154 I ✓

✓737-26360 ♂ ✓

725 ♀

-27417 ad ✓

Ends ⊗ sh

568-72172 I ✓

~~726 I~~

~~727 I~~

~~728 I~~

~~729 ad~~

~~730 I~~

737-22611 ♀ ✓

Ends ⊗

568-72159 I ✓

737-21141 ♂ ✓

751-63720 ♀ ✓

Ends ⊗

✓737-21011 ♀ w/h



Birnie

Nov. 9

Blue-faced

✓ ADP

731 ♀ w/I

✓ 737-21060 ♂ w/I ✓

✓ -21117 ♀ w/I ✓

✓ -21102 ♂ ✓



Shoreland

$\frac{11}{25}$ 
 $\frac{11}{27}$

~~Christmas~~

No ADP CDK



Nota Otca  
Nov 21  
L-T Propri

625-87118 N

119 ad on egg

120 N

121 N

122 ad w/N

123 N

124 w

125 ad

126 ad

127 ad

128 n

129 w



544-53001/100 Note upon Christmas  
Nov 21  
Christmas Island Shear

Return

544-12321

46901

46207

514-79279

-~~784~~

-77947

-77287

-77945

-79267

-77901

-77292

-77942

544-48758

48773

514-79814

544-12190

✓ -48764 }  
✓ -12165 }



Motz Upua - Christmas

Nov 21

Phoenix Is Ret

524-04701  
800

514-47514

544-12475



Mohr Upua - Clinton

Nov 21

~~Clinton is Shee~~

R-F book

747-56043 I



Leek - Christmas

Nov 22

Shoreland

<u>Cur</u>	<u>GP</u>	<u>WT</u>	<u>RT</u>
<del>11</del>	11	<del>11</del>	11
<del>11</del>		<del>11</del>	
<del>11</del>		<del>11</del>	
<del>11</del>		11	
<del>11</del>			
<del>11</del>			



Cook - Chumbe  
Nov 22

Fairy Terns  
622 - 94789  
94583  
94795

Nestlings →  $\left\{ \begin{array}{lll} 020 & N & 045 N \quad 62 \\ 013 & N & 54 N \quad 66 \end{array} \right\}$



Cook Is - Christmas

Nov 23

R-T Tropic

625-87	30	N
	31	N
	32	Ad
	33	N
	34	N
	35	N
	36	N
	37	Ad
	38	<del>Ad</del> Ad
	39	Ad
	40	N
	41	Ad 1 egg
	42	N
	43	Ad 1 egg
	44	Ad 1 egg
	45	N
	46	Ad
	47	Ad
	48	N



1 N not banded - ran away  
into the bushes

Cook - Christmas

Nov 23

R-T Tropic

49 Ad

50 N

51 Ad on egg

52 N

53 N

54 N

55 N

56 Ad on egg

57 N

58 N

59 N

60 N

61 Ad w/N (too small)

62 N

63 Ad w/N }

64 N }

65 Ad 1 egg

66 Ad

67 N



Cook Christmas

Nov 23

R-T Tropic

68 Ad

69 ~~Ad~~ N

70 Ad

71 N

72 Ad w/N

73 N

74 Ad w/egg

75 Ad on egg

76 N

77 Ad on egg

78 Ad on egg

79 Ad w/N too small

80 N

81 N

82 Ad

83 Ad w/egg

84 N

85 Ad



Cook-Christina

Nov 23

R-T Trogon

86 Ad w/ small N

87 N

88 Ad w/ egg

89 Ad w/ sm N

90 N

✓ 545-56601 w/ egg

91 Ad w/ egg

92 Ad w/ sm N

93 Ad w/ egg

94 Ad w/ egg

95 Ad w/ egg

96 Ad w/ egg

97 Ad w/ egg

98 N

99 w

00 Ad



Motu Tabu, Christmas  
Nov 23  
Christmas Island

~~544 - 53901 / 000~~

~~544 - 10910~~

~~10955~~

~~10976~~

~~514 - 75899~~

~~544 - 10622~~

~~- 49550 x~~

~~544 - 53701 / 800~~

✓ 514 - 75895 on egg

544 - 49942

- 49594



Mole Tubb - Clinton

Nov 23

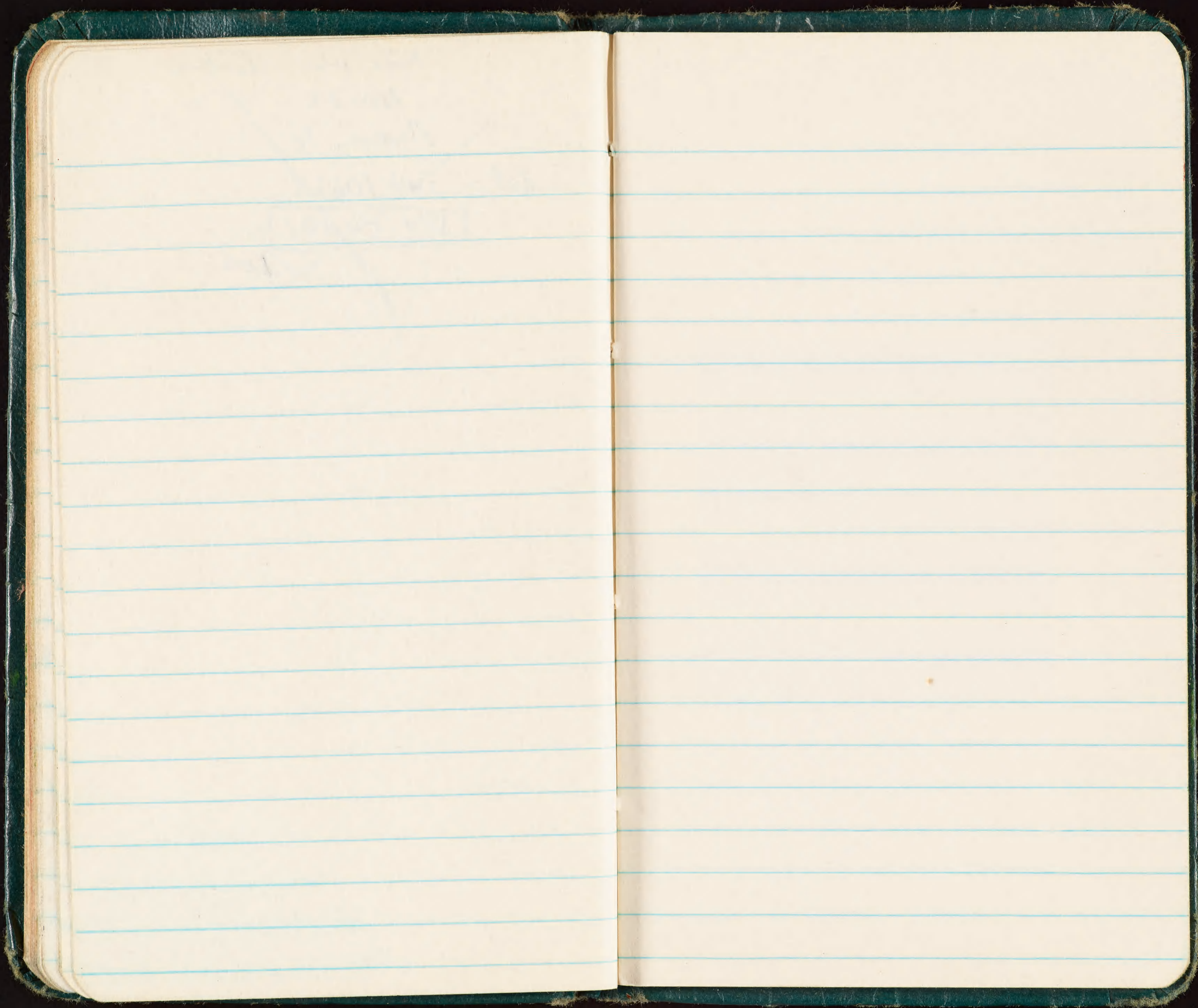
Phoenix Is

Ret - 544-10663

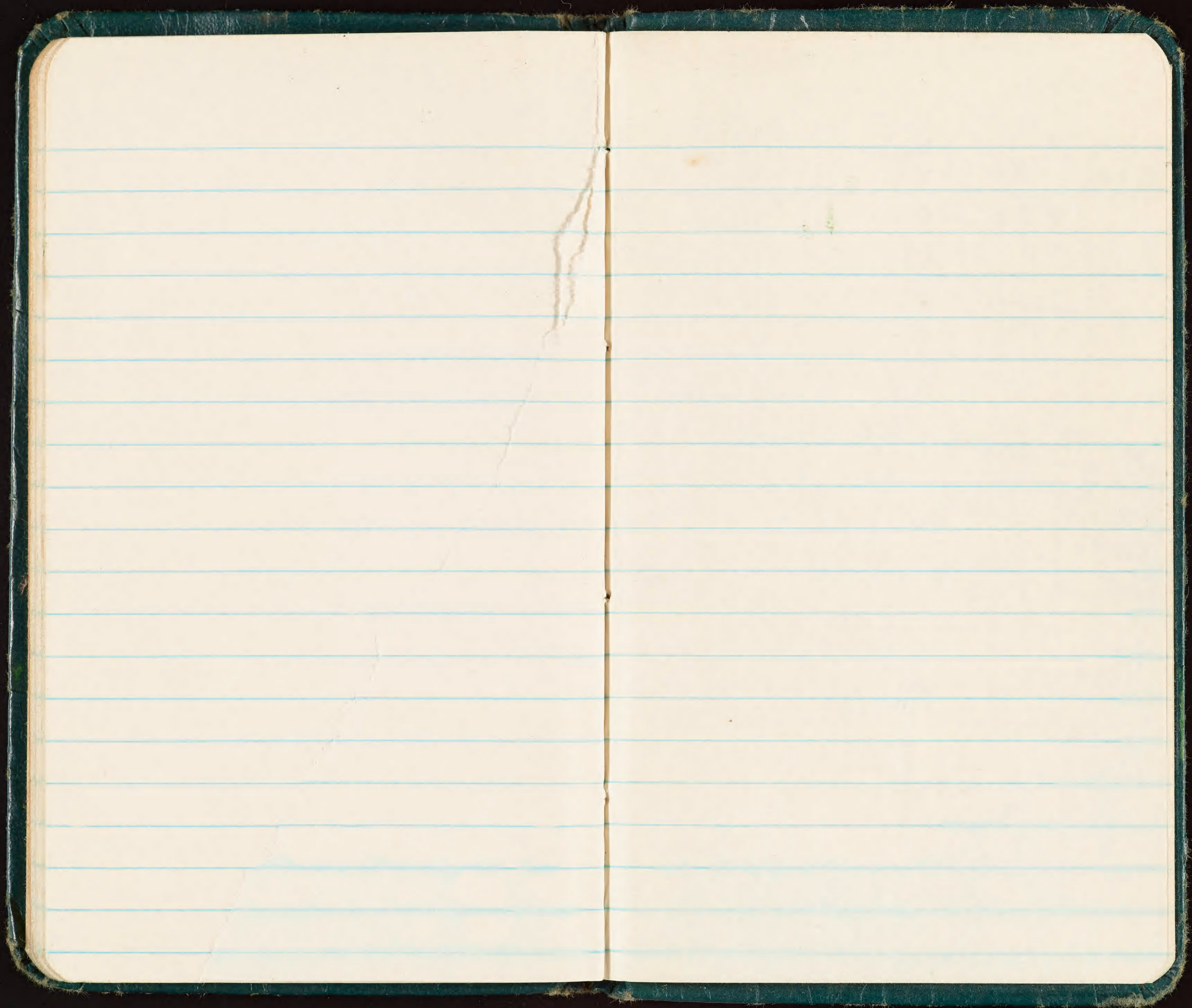
544-54001

100











165  
 126  
 990  
 330  
 165  
 20,790

$$\frac{1250}{1000} = \frac{160}{x}$$

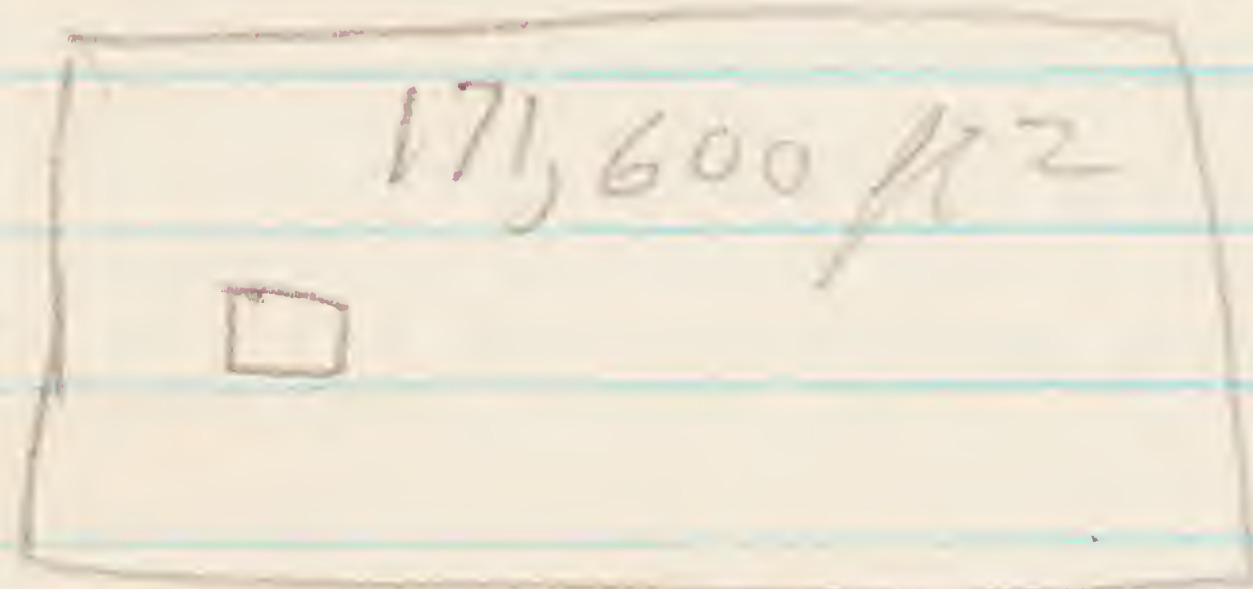
$$\begin{array}{r}
 128 \\
 125 \overline{) 16000} \\
 \underline{125} \phantom{00} \\
 350 \phantom{0} \\
 \underline{350} \phantom{0} \\
 1000
 \end{array}$$

$$\begin{array}{r}
 525 \\
 125 \overline{) 65000} \\
 \underline{625} \phantom{00} \\
 250
 \end{array}$$

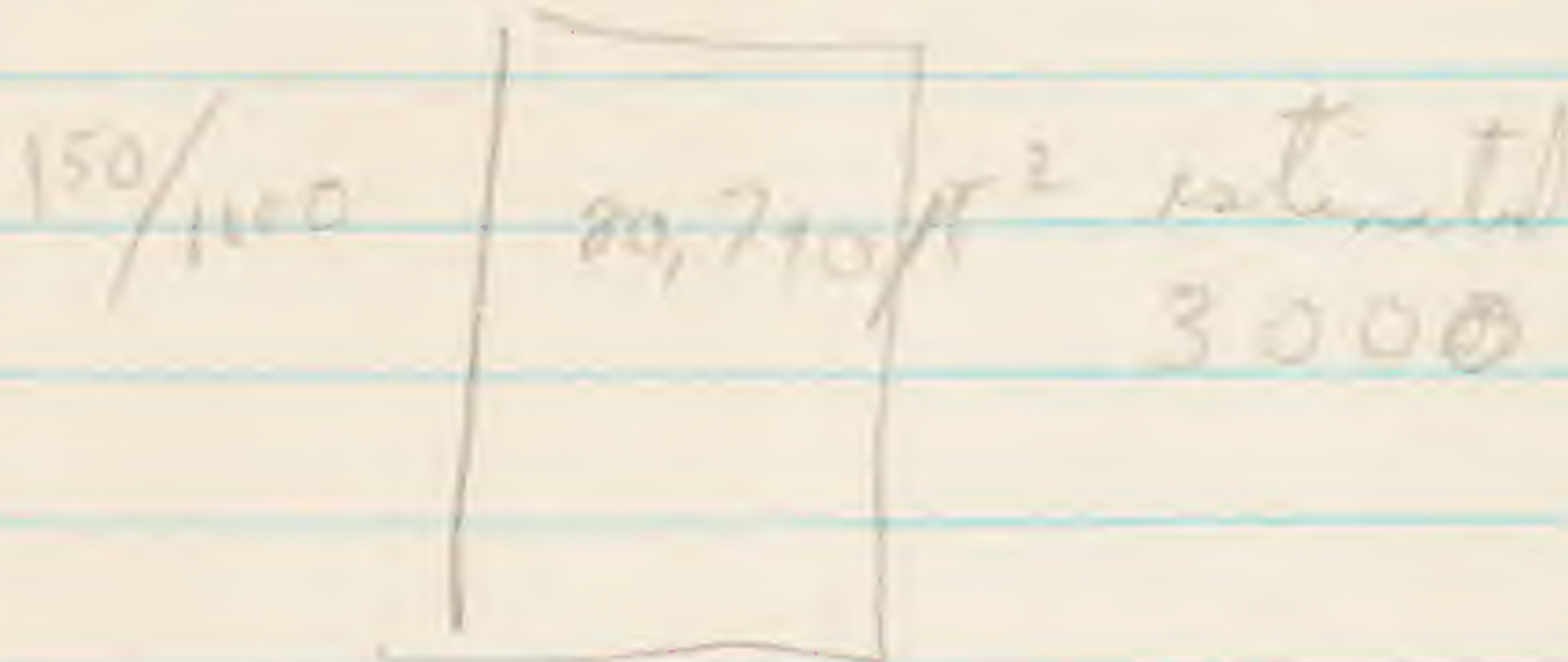
Sooty tern nesting Holland  
 12/10/14  
 50x25  
 1250  
 29 ft

Chick.	Egg
55	16
31	10
25	13
32	17
17	9
160	65

128/1000 ft      52/1000 ft      13/1000 ft



11910011  
 72,000  
 7 ft



2000 chicks



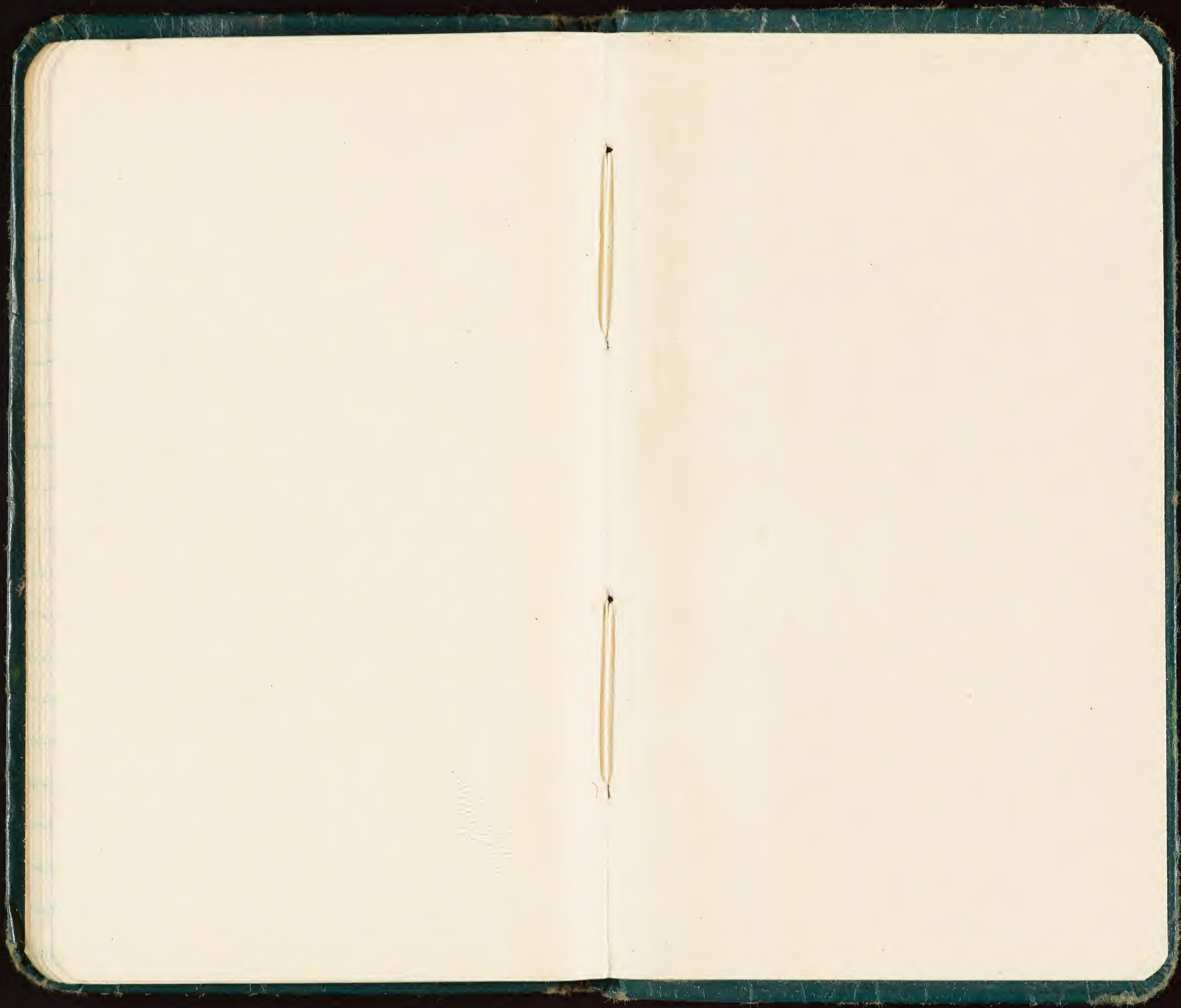
3

16

207

1







7530-222-0078  
FEDERAL SUPPLY SERVICE



*Memoranda*

Howe land + (S. 1000) - 27



HACKMAN

SIC 6

✓ APP  
9/11/66 TIL + CPH

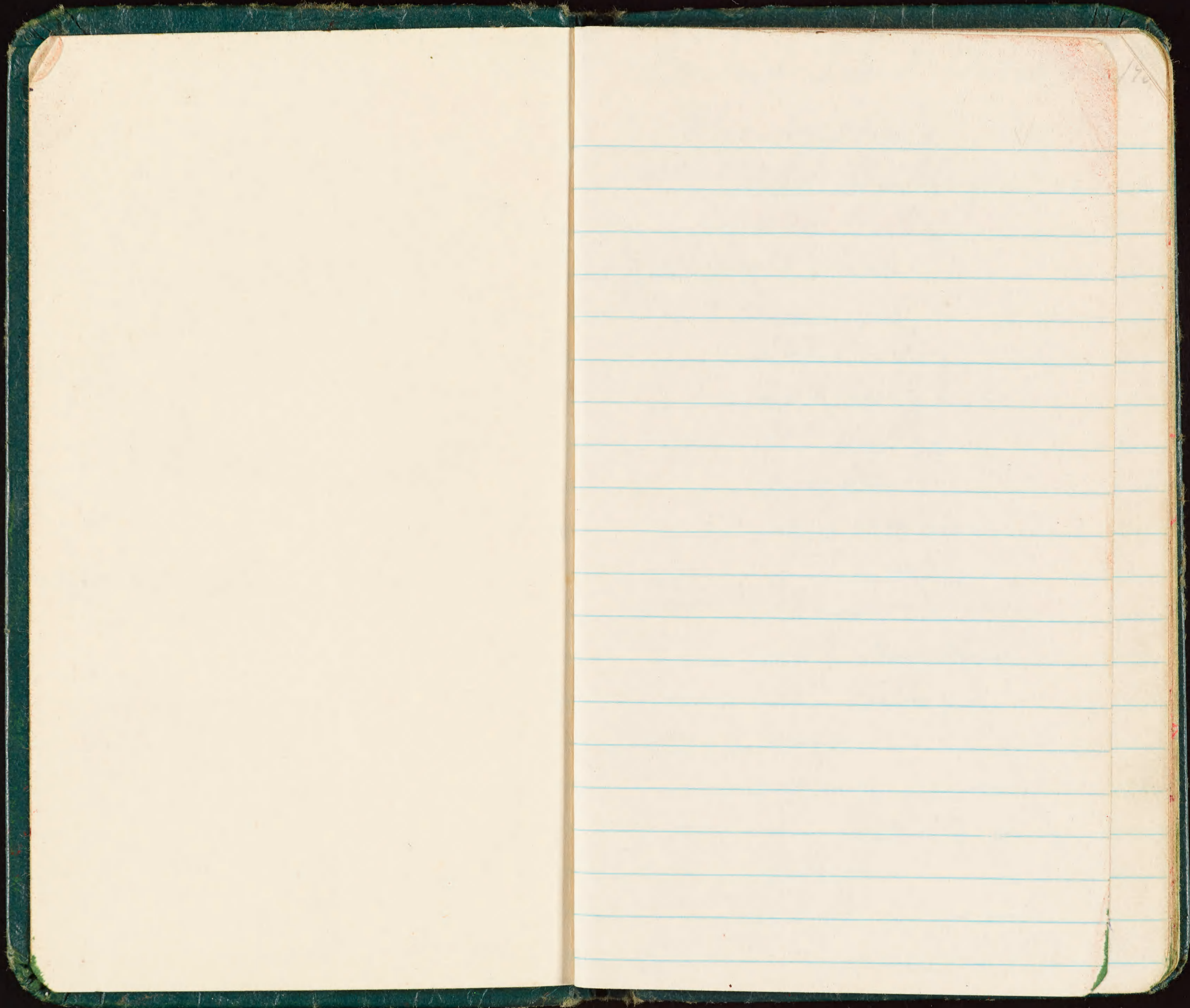
Howland  
Oct 9 - 1964  
Done 2/22/69

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Birnie - Done 2/22/69

Checked against interland  
file - 10/25/66 - CPH







NL = Not listed

Howland Island - October 9, 1966

Blue-faced Booby

558-85201 Nestling

202 Nestling

✓ ♀ w/ Small chick

✓ ♀ w/ 2 eggs

203 Nestling

204 Nestling

205 Nestling

206 Nestling

207 Nestling

208 Nestling

568-71381 Immature ✓

209 Immature

210 Nestling

✓ ♀ on 2 eggs

✓ ♀ on 1 egg

211 Nestling

212 N

213-218 N

NL



Fred - 5, 5, 2, 2, 2, 2  
Alan - 5  
1 Merrill

F w/ 1 egg - II (1 pipped)  
F w/ small chick - ~~II~~  
F w/ 2 eggs - ~~II~~ II  
M w/ 1 egg - III  
M w/ 2 egg - ~~II~~ II

Immature - II

Nestling - ~~II~~ ~~II~~ ~~II~~ I

Chick Too small to band - III

Immature - banded - I

Brown Booby - I w/ 2 eggs - II

28  
23  
51

48 Nestlings

558-85201 - 300 used on  
nestlings.



~~30 adults - if easy to catch~~  
~~20 young~~



Howland Island  
October 9, 1964

Blue-faced Booby ✓ADP

757-63132 Thru 63139

✓ 132 F

133 M

737-28901 M

20692 PK w/n

568 71322 *Imm*

71323 *Am*

737-20916 M

20915 F

20351 F

✓ 20693M

✓ 39536 F

20838 M

568-71324 Inm

737-20701 f

Single

~~Order~~ ~~Order~~

72



Hawland Is. Oct 9, 1964

Blue-f. Booby

✓ ADP

737-49871 F

✓ 27511 F on 1 egg ✓

27807 M ✓

✓ 757-63015 M ✓

568-71327 Imm ✓

757-63070 M ✓

62866 F ✓

737-28602 F ✓

28977 M ✓

~~401~~

134 M

27521 F ✓

✓ 757-63017 M } w/chick ✓

63016 F } ✓

✓ 63021 F } ✓

✓ 737-28552 M } ✓

✓ 568-71332 Imm } ✓

737-28727 F ✓

✓ 53202 M } w/chick ✓

✓ 53204 F } ✓



Howland Is. Oct 9, 1964

Blue-f. Booby

✓ ADP

✓ 737-27994 F } 1 egg

✓ 737-20559 M }

✓ 27711 M } w/chick

✓ 27611 F } 568-72077

✓ 27712 F } 568-71330

✓ 253208 M }

Left leg ✓ 26607 banded twice

(both bands on too tight to remove)

737-27980 F

✓ 135 M }

✓ 28908 F }

Removed ✓ 757-62872 double-banded

✓ 737-26609 M (left leg)

↓  
moved to right leg

W/imm 568-71342 NL

737-20706 M



Howland Island Oct 9, 1964

Blue-faced Booby

✓ ADP

737-20700 M

✓ 20708 M

✓ 39849 F

27804 F

49818 M

✓ 757-62909 - right - removed

✓ 737-26610 - left - transferred to  
left leg

737-27803 F

568-71337 Imm.

(49)

✓ M 737-26611 banded on left leg  
band moved to right

✓ 737-49519

737-39656 M

737-53317 M

568-71345 Imm

737-23539 F



Howland Is. Oct 9, 1964

Blue-faced Booby

✓ 737-20710 M }  
✓ 20709 F }

✓ ADP

✓ 757-62911 M }  
✓ 62910 F }  
✓ 136 M }

737-49532 F ✓

✓ 49527 F }  
✓ 53315 M }

568-71354 I ✓

✓ 737-53325 M - 2 eggs ✓

737-23719 F

✓ 39938 M }  
✓ 23527 F }

568-71348 Im ✓

28538 ?

✓ 27557 F }

558-85205 N } today!!

✓ 737-27556 F } w/ N

✓ 27555 M } 558-85206

1 today!!



Howland Island Oct 9  
Blue-f. Booby

568-71377 Imm ✓

737-49540 F ✓ (75)

757-62870 M ✓

737-53239 F ✓

~~Imm~~  
✓ 737 26634 M 2 eggs ✓

53241 F ✓

✓ 26641 M }

✓ 26640 F }

568-71381 I ✓

737-53335 F ✓

27543 F ✓

27647 M ✓

137 F ✓

138 M ✓

27577 F ✓

26626 ? ✓



Red-tailed Tropicbird

525-86101 Nestling



Hewland Is. Oct 9

Blue-faced Booby

✓ 23731 F

✓ 25842 M

568-71365 I ✓

139 M



Oct. 9, 1964

LONG  
✓ADP

✓737-27563 ♂ }  
568-72804 imm } - ? should be 72084?

✓737-27568 ♂ }  
~~757-63203 imm.~~ }

568-71382 imm ✓

✓737-25860 ♀ }  
~~757-63206 imm~~ }

✓737-25862 ♂ + 2e.

✓-53250 ♀

-27808 ♀

✓757-63020 ♂ }

✓737-39740 ♀ }

✓737-23554 ♀ }

✓-27565 ♂ }

568-72085 n.)

737-27566 ♀ ✓

~~757-63205 ♂~~ ? ?

737-27810 ♂ ✓

-25852 ♀ ✓

737-28611 ♀ }  
" -22622 ♂ } ✓

Ending oh



✓ADP

✓737-276219 }  
~~757-63201 imm.~~ }

Howland Island  
October 10, 1964

Lesser Frigatebird

747-59101-59200



Howland Island  
Oct. 10, 1964

Sooty Tern - Adult

773-24001

Adults

24101

24201

24301

24401

24501

24601

24701

24801

24901

25000





Howland Island  
Oct. 11, 1964

Nesher Frigate - Nestlings

747-58001-58600  
(for whole crew)



Howland Island  
October 11, 1964

Blue-faced Booby - Nestlings

568-71001 - medium

→ 002 - nearly fledged

✓ 37-53109 - M w/N

009 - medium N

003 - medium N

~~568-71001 - 71028~~

Used 568-71001 - 71028



Lesser

7 adult

5 N Lesser

---

4 Sooty Tern

---

1 Immature

10 Blue-f. Booby

---

27

Collect 7 Sooty Adults



Hawland Island  
Oct. 12, 1964

Sooty Tern - adult

773-25501-25600

25601-25700

25701-25800

25801-25900

25901-26000

773-28501-600

28601-700

28701-800

28801-900

~~28901-29000~~

$\frac{46}{36}$   
82

Red-Tailed Tropicbird

625-86102 Nesting in middle  
of Sooty Tern colony



Howland Island - October 12

~~Lesser Frigate - Nestlings~~

~~747-58601-59000~~



Howland Is. Oct 12

~~Hawaiian Noddy~~

~~682-47601 - Adult~~

~~Sooty Tern~~

~~793-30501-31000~~

~~(Fred did 200 of these)~~

~~[scribbled out text]~~

~~793-31001-31200~~



ixie



Birnie Is Nov 7, 1964

# Nest Count

Blue-f. Booby.

1 egg - 111

2 egg - ~~11~~ 11

Am chick - 1

Immatures - 11

Birnie Island - Nov 7, 1964

Blue-f. Booby Nestlings

568 - 72136

Red-t. Tropicbird

625 - 87301

New



Birnie Island - Nov. 8, 1964

Blue-f. Booby

✓ADP

✓757-66581 ♀

✓737-26277 ♂

✓667-39557 ♂

502 I

Brown Booby 503 I

737-27439 F

⊗ Caden ✓

504 F 1 egg

✓505 F

✓26266 M

506 I

✓23921 M

✓507 F

508 F

✓26250 M

✓509 M

✓510 F

511 M

512 S

✓23125 F

⊗ Caden ✓

RC



Brine Island Nov 8

Blue-L Booby ✓ ADP

737 ✓ 20305 ✓ RC ⊗ Ender

✓ 26452

513 M

✓ 22461 F ✓ ⊗ Ender

514 F

✓ 67-39590 M

✓ 737-27900 F ⊗ Haul dr

515 F

516 S

✓ 21453 F ✓ ⊗ Ender dr

✓ 20330 M ⊗ Ender

517 M

518 F

519 F

✓ 520 M

✓ 26406 F w/I

521 I

522 F

523 M

Brine Island Nov. 8

Blue-L Booby ✓ ADP

524 I RC

✓ 20454 F ✓ ⊗ Ender

525 F

526 F

527 M

528 F

✓ 757-65020 M ⊗ Haul dr Red paint

✓ 757-65557 F ⊗ Phoenix Black paint

✓ 737-20450 F ⊗ Ender

✓ 757-64466 F ⊗ McKean

529 C

530 I

531 I

532 F

533 I

✓ 757-62225 F ⊗ Phoenix RC

534 F

535 F

✓ 737-50311 M ⊗ Ender Black paint



Burnie Island Nov. 8

Blue f. Booby ✓ ADP

535 Imm RC

✓ 21323 F ✓

✓ 21200 F ✓

537 F

62 ✓ 21272 F ✓

✓ 26460 F } ✓

✓ 52929 M } ✓

538 I } ✓

539 ?

540 F

✓ 26424 M } ✓

541 I } ✓

✓ 26432 F w/n ✓

542 ?

543 M

✓ 21124 M 1 egg

✓ 21535 M ⊗ McKean

✓ 21085 M

Ⓟ 667-39578 F

Burnie Island Nov. 8

Blue f. Booby ✓ ADP

✓ 737-26436 M } ✓

21014 F } ✓

544 I ✓

✓ 26438 M } ✓

✓ 667-39580 F } ✓

545 I } ✓

546 M } ✓

✓ 737-26239 F } ✓

✓ 667-39579 M } ✓

547 I } ✓

548 M

Brown Booby 549 A Blue bill

✓ 737-21180 F } ✓

✓ 667-39581 M } ✓

737-26442 F ✓

22574 F ⊗ Ender dr

Brown Booby 550 A Pink bill

551 M w/n

Ⓟ 95 ✓ 26466 M ✓



Burnie Island Nov 8

Blue-faced Booby

✓ 737-49430 F ✓ ~~⊗~~ Eider

✓ 26443 M

552 I

✓ 26464 M

553 M

554 M

✓ 21181 M w/p ✓

555 F

556 M 1 egg

Brown Booby 557 Imm

Brown Booby 558 A

✓ 26392 M w/p ✓

559 F

✓ 21167 M }

560 I }

563 F

565 M } w/I

566 I }

✓ 23131 F }

✓ 23845 M }

~~⊗~~ Eider  
\* mchm sh

Burnie Island Nov. 8

Brown Booby

✓ 737-21229 A ✓ ~~ADP~~

757-66503 I ✓

549 A ✓

550 A ✓

557 I ✓

558 A ✓

Bluish bill - hoo 561 A I w/p ✓

Flesh bill - quack 562 A I w/p ✓

Flesh bill - quack 564 A ✓ w/p ✓

587 I



Birnie Is. Nov 8

Blue f. Booby

737-21130 F ✓

567 I ✓

21472 ?

Order ✓

568 F

569 I

570 M

571 F w/n

572 M

573 I

✓ 26494 F w/n ✓

✓ 23906 M } ✓

✓ 26378 F } ✓

574 F w/om chick

575 M } ✓

✓ 26487 F } ✓

576 I

577 I

578 I

579 J

Birnie Is. Nov 8

Blue f. Booby

580 I

581 M 1 egg

582 I

583 I

584 I

585 F w/n

586 I

Brown Booby 587 I



Birnie Is. Star

Blue f Body Nov 8

737-21185 ♂ eggs

✓ 26430 F } wN  
✓ 24013 M }

✓ 21009 F } wN

✓ 21008 M }

✓ 21125 M wN

✓ 20295 M ⊗ Ender

✓ 21032 F

✓ 22235 M wN

✓ 26433 M wN

✓ 21059 M

✓ 21155 M wN

✓ 27411 F ⊗ Ender oh

✓ 26366 F wN

✓ 23863 M

✓ 23853 F } wN

✓ 26354 M }

Birnie Island - Nov 9, 1968

Haw Noddy Tern

682-47619

Blue Gray Noddy?

Common Noddy Tern

793-20602 15 Adults

16N

17-



Nov. 7

Birnie

~~Washby~~

793-208893

860

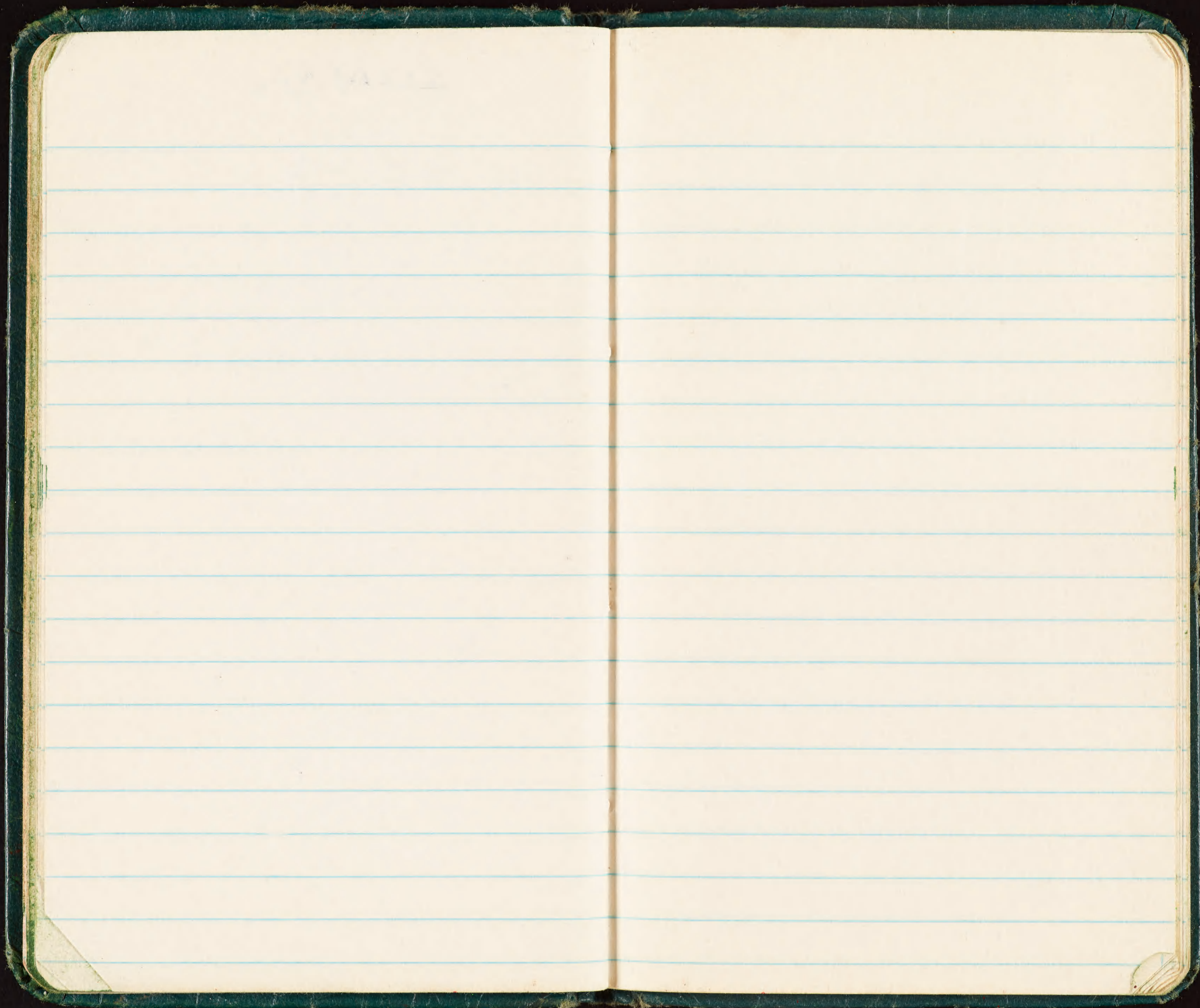
894

868

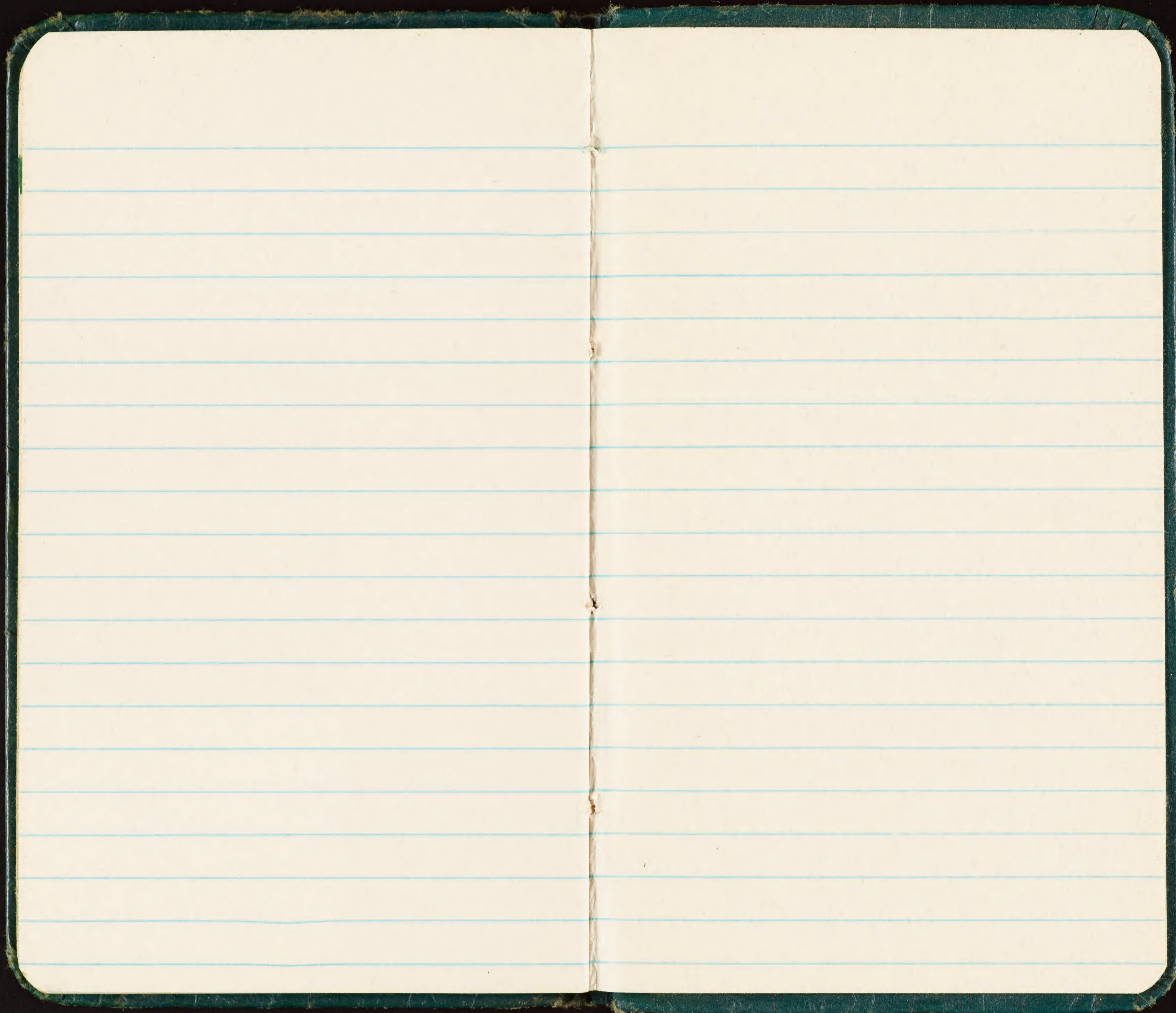


503 MA

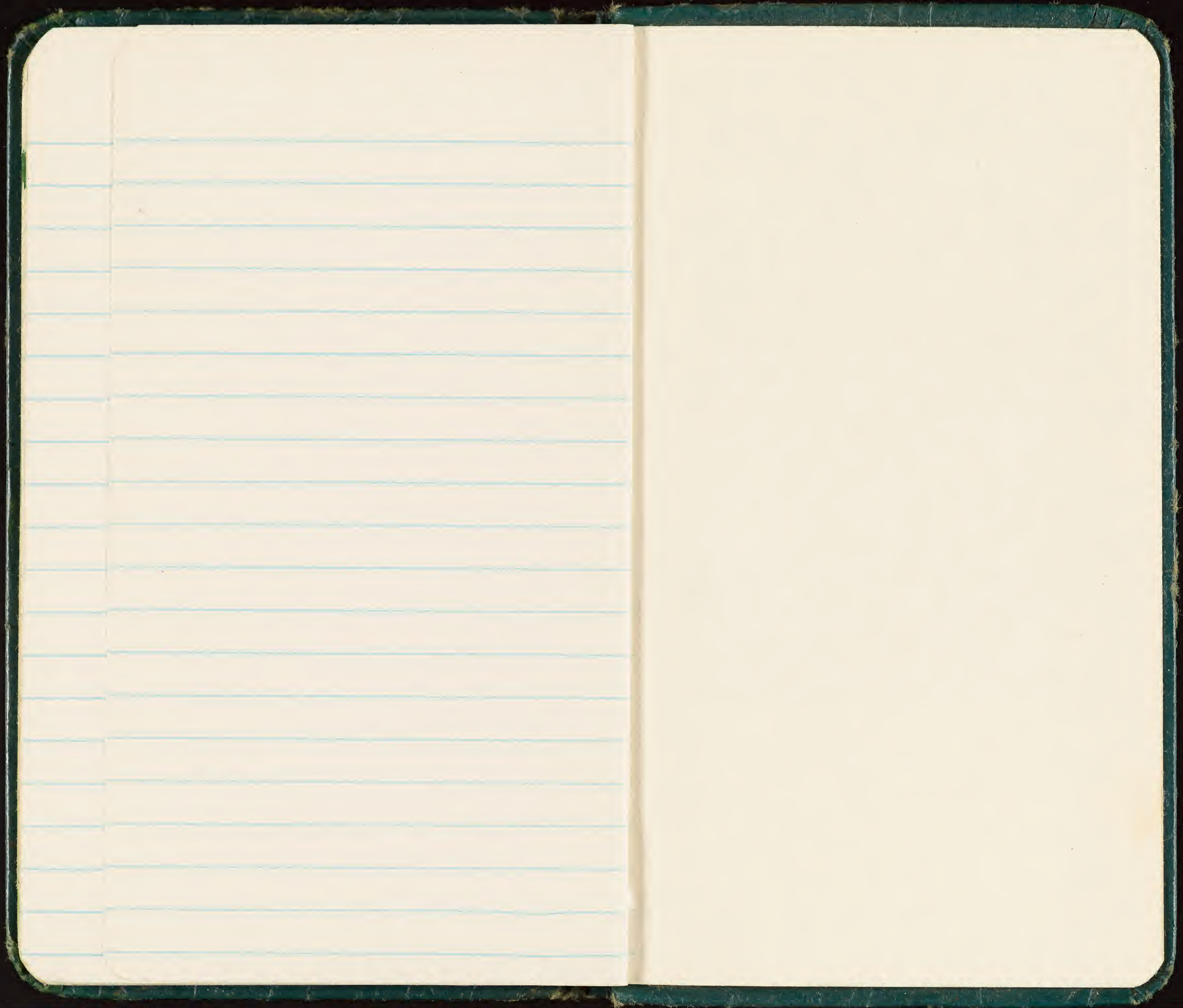














2875  
4025  
43125

850  
850  
435050



8750<sup>2</sup> 70  
125  
1750

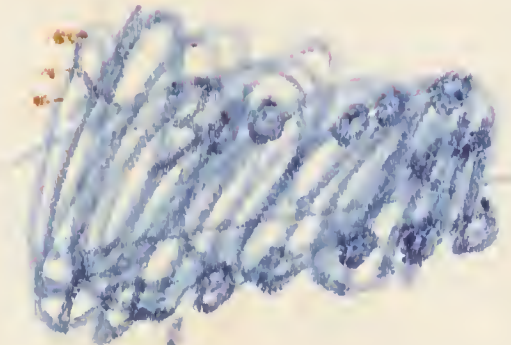
4250 8750

73  
101  
68

~~200~~  
100 ft<sup>2</sup>

242  
1250 ft<sup>2</sup> 8500  
1700

125 ) 242  
125  
1170  
1125  
450



/// - H

/// - N





**7530-222-0078**  
**FEDERAL SUPPLY SERVICE**



# Memoranda

Howland Island  
9-13 October 1964

---

Birnie Island  
9 November 1964

C. R. Long



Long

✓ ADP  
CPH  
1/12/67

dr

Sic 6

✓  
1964

HOWLAND

ISLAND

Done 2/22/69

Birnie & Done 2/22/69

~~Sydney~~

Checked against intended files  
8/25/66 C.D.H.  
⊗ = previously unrecorded



P

rest.

✓  
1/4 day.

87

+1  
✓  
h.

✓  
y.

✓  
1/4 day.

✓  
✓

✓  
e.

NW

✓  
1/4 day.

—

2

✓



9 Oct. 64 757-63304 - 63400  
Howland ✓ ADP

- ✓ 757-63004 ♀ + 1e. ✓
- ✓ 737-25829 ♀ (left leg band) ✓
- ✓ 737-23728 ♀ ✓
- ✓ 757-63304 ♂ + 1e. } New ✓
- ✓ 737-37578 ♀ } ✓
- ✓ 737-20790 ♀ + 2e. ✓
- ✓ " 20683 ♂ (left leg band) ✓
- ✓ 568-71320 imm. ✓
- ✓ " 70271 imm. ✓ Phoenix \*
- ✓ 737-27517 ♀ ✓
- ✓ " 20789 ♀ ✓
- ✓ " 26606 ♂ ✓
- ✓ " 20201 ♂ ✓
- ✓ " 27510 ♀ } ✓
- ✓ 568-72072 imm. } ✓
- ✓ 757-63305 ♂ New ✓
- ✓ 757-63306 ♂ + 1e. New ✓
- ✓ 737-49677 ♀ } ✓
- ✓ 568-71319 imm. } ✓
- ✓ 757-63308 ♂ + 1 nestling ✓

✓ 757-63308 ♂ + 1e } 9 Oct. ✓ ADP  
✓ 757-62905 ♀ }

- ✓ 757-63309 ♂ ✓ 568-72075 nest. ✓
- ✓ 737-25872 ♂ + 2e } 568-71375 imm. ✓
- ✓ " -27550 ♀ } 737-53337 ♂ ✓
- ✓ 568-71341 imm. } 737-53307 ♀ + 1e. ✓
- ✓ 737-25839 ♂ } 568-72082 imm. ✓
- ✓ 757-63014 ♂ ✓ 568-71368 imm. ✓
- ✓ 737-27716 ♀ ✓ 737-27998 ♀ ✓
- ✓ 757-63310 imm. } " -49639 ♂ + 2e. ✓
- ✓ 737-27533 ♂ } 757-63313 ♀ New ✓
- ✓ " 27539 ♂ + 2e. ✓ 568-71362 imm. ✓
- ✓ 568-71339 imm. ✓
- ✓ 737-23539 ♀ ✓
- ✓ 757-63311 ♀ New ✓
- ✓ 737-27715 ♂ ✓
- ✓ " -25840 ♂ ✓
- ✓ 568-71338 imm. ✓
- ✓ 757-63312 ♂ New ✓
- ✓ 737-23556 ♂ } ✓
- ✓ 757-63022 ♀ } ✓
- ✓ 568-71373 imm. ✓

+ 23 see Hackman's book  
43

+ 46 S

9 Oct.

96-A banded



11 ~~the~~ October 1964

Hawland

~~773 - 23501~~  
~~24000~~

} a. anderson  
P. Woodward  
B. Long

~~773 - 23601~~  
~~23700~~

Lo (young  
sooty terns)  
nestlings

~~773 - 23901~~  
~~24000~~

Lo (sooty tern)  
nestlings

12 - 20m.

~~773 - 25001~~  
~~25500~~

25101

25500

(400)

~~773 - 27001~~  
~~27100~~

(100)

~~773 - 27101~~  
~~27300~~

(200)

~~773 - 27401~~  
~~27500~~

(100)



12 October

100 - 773 - 28901  
29000

+92

192 - sooty nestlings



Howland

13 October 1964

$$\begin{array}{r} 773 - 29501 \\ \hline 3000 \end{array}$$

(adult  
sooty terns  
all  
500)

✓ 383 - 12129 + chicks

(one nest - bird flew up - 1 chick + 1 egg)

773 - 29750 - 1 chick + 1 egg

(773 - 29724 - 2 chicks)

$$\begin{array}{r} 793 - 30991 \\ \hline 31000 \end{array}$$

100

✓ 773 - 26895 (on 2 eggs)

$$\begin{array}{r} 793 - 31191 \\ \hline 31200 \end{array}$$

40

Hackberry: banded H. noddy.

total 640



Sept 27



Bourne 9 Nov. 1964 ✓ ADP

(marked books)

757 - 66801 ♀

737 - 26295 ♂ ✓

" - 26448 ♂ ✓

" - 22212 ♂ + 1 imm. ✓

" 26415 ♂ + 1 e. ✓

" 21024 ♀ + 1 imm. ✓

802 ♀ club

803 ♀ club

804 ♀ "

805 ♀ "

737 - 23101 ♂

Enders ⊗ ✓

806 supra.

~~568 - 72155 imm~~ 737 - 26306 ♂ ✓

737 - 26207 ♂ ✓

" - 23848 ♀ ✓

807 imm.

~~568 - 72159 imm~~

737 - 21071 ✓

~~" - 72150~~

737 - 21070

~~568 - 72131~~

" - 26303 ✓

Phasing ⊗



✓ADP

809 ♀  
808 ♀

737 - 26451 ♀ } ✓  
667 - 31566 ♂ } 5 m. ✓  
737 - 26457 ♂ ✓

510 ♂ } m. ✓  
737 - 21221 } 1 m. ✓  
737 - 26302 ♂ ✓

737 - 26332 ♂ ✓  
" - 28905 ♀ ✓

737 - 27451 ♂ ✓ Ende (\*)  
" - 26352 + imm ✓

Bimie \* 737 - 26305 ♂ ✓  
" 21171 ♂ ✓

737 - 23852 ♀ ✓  
737 - 22227 ♀ ✓

737 - 26365 ♂ } 5 m. ✓

757 - 63981 ♀ (faint) ✓ McKen (\*)

737 - 21841 ♂ ✓ Jamo

" - 26389 ♂ ✓ McKen

737 - 23655 ♂ ✓ McKen (\*)  
811 ✓

737 - 26392 ♂ ✓ ADP  
" - 26379 ♂ } ✓

812 ♀ }  
" 21144 ♂ ✓  
" 26395 ♂ } + 2c ✓

813 ♀ }  
" 21145 ♀ ✓  
" 23907 ♂ } ✓

" 26485 ♂ } m. ✓  
" 26396 ♀ ✓  
" 23857 ♂ ✓

814 ♀  
" 22607 ♀ ✓ Ende (\*)  
815 ♀

737 - 21149 ♂ ✓  
\* " - 26387 ♂ Birnie ✓

" - 21019 ♀ + 10.0. ✓  
816 ♀  
817 ♂

737 - 21328 ♂ ✓  
" - 26150 ♀ ✓ Phary



737 - 21195 ♂

" 26435 ♂

" 21061 ♀

" 26411 ♂

819 imm

737 - 21058 ♂

" - 21183 ♂

" - 21115 ♂

" - 22268 ♂ + 20

" - 21134 ♂

" - 21316 ♀

820 ♀

" 26241 ♀

667 - 39533 ♂

821 imm

737 - 21303 ♂

" - 26316 ♂

" - 21449 ♂

" - 21131 ♂

822 - adult

823 - imm

① Diderburg



✓ Hypo

737-26265 ✓

" - 262648 ✓

" - 211888 ✓

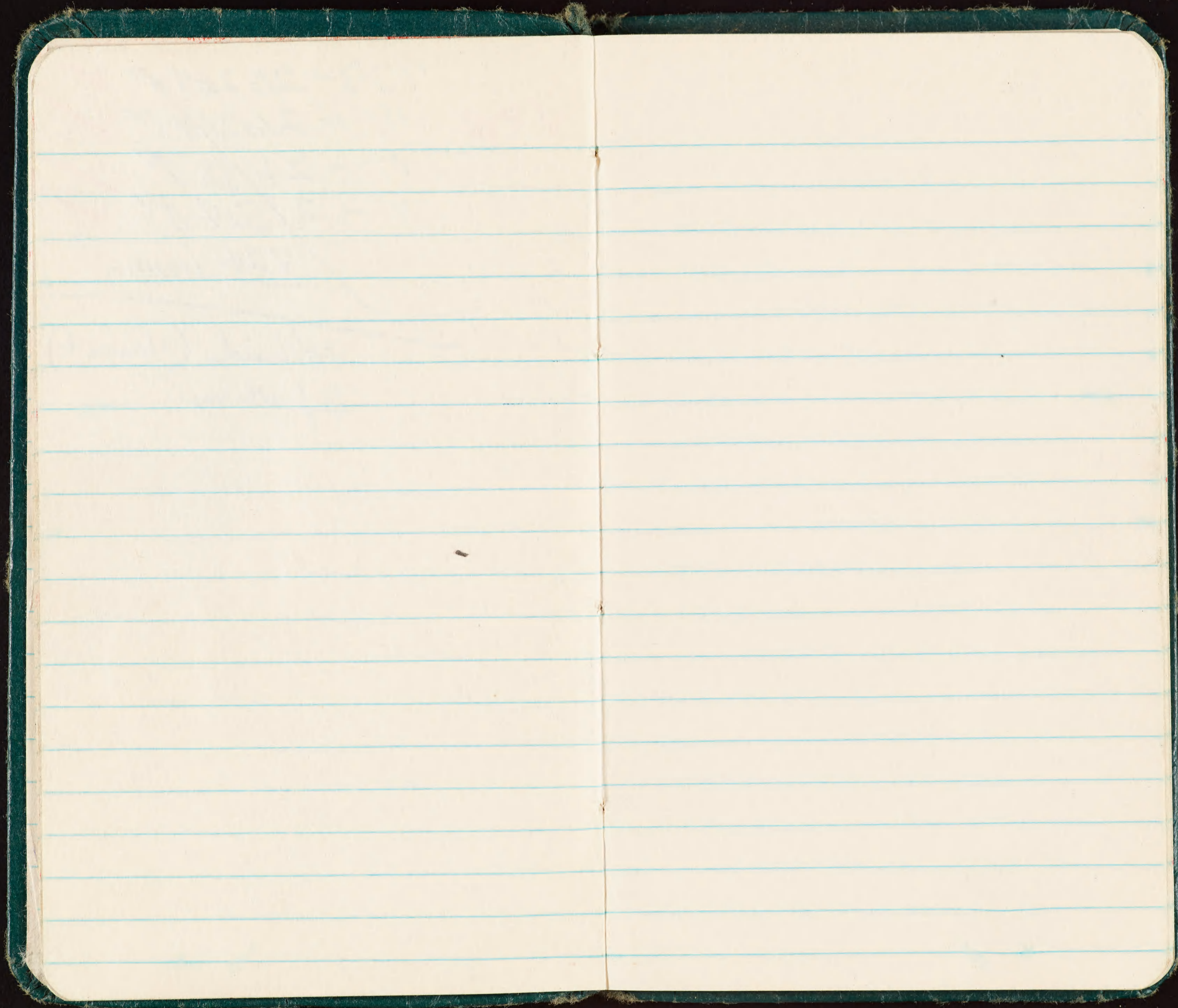
" - 213148 ✓

824 imm.

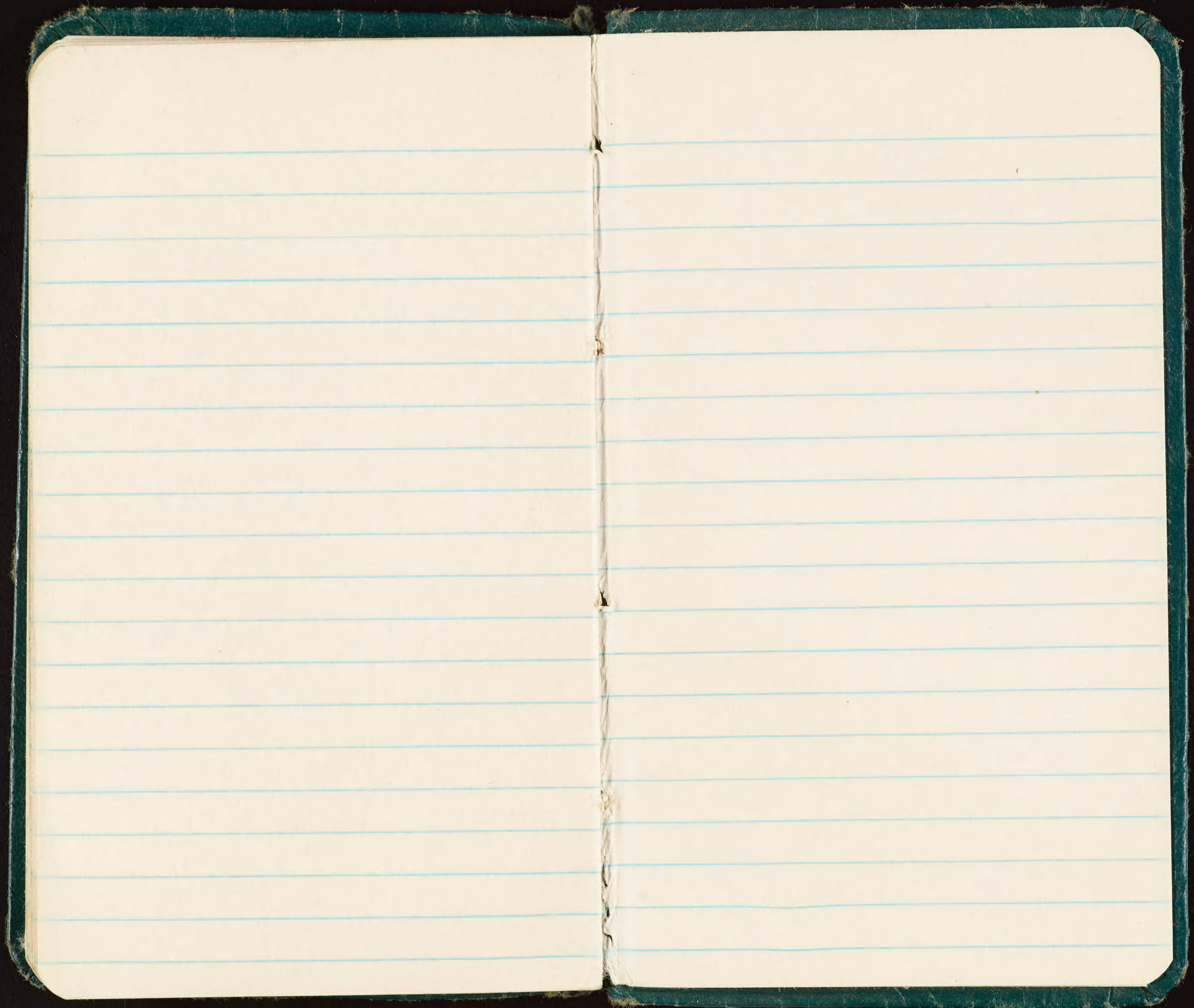
24 bands (1 brown b)

64 returns

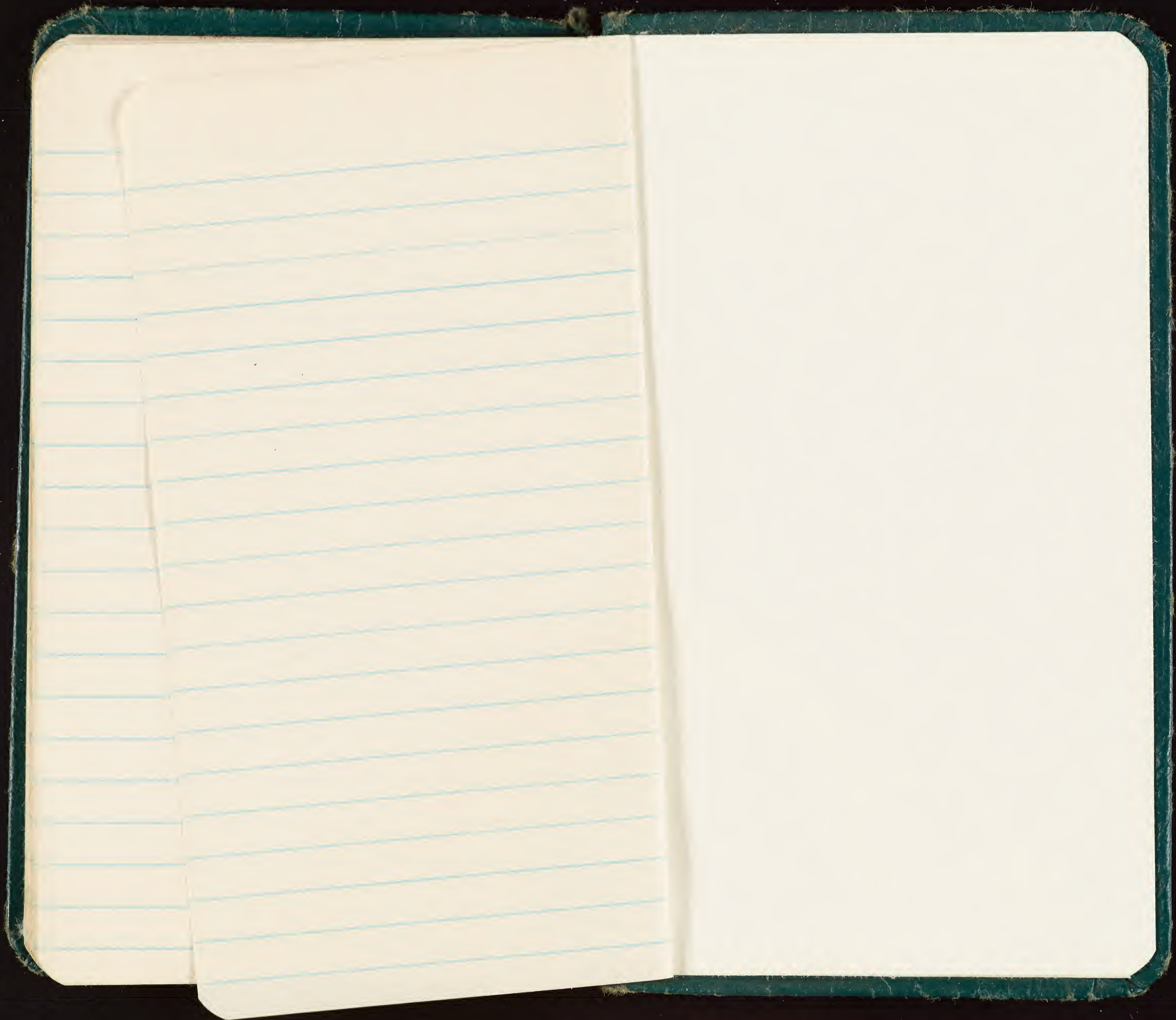


















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